ELSEVIER

General Subjects

Vol. 1245, 1995

BBA Biochimica et Biophysica Acta

Author Index

Abé, S.-I., see Mita, K. (1245) 430
Abraham, L.D. and Breuil, C.
Factors affecting autolysis of a subtilisin-like serine proteinase secreted by *Ophiostoma piceae* and identification of the cleavage site (1245) 76
Adachi, T., see Ishii, T. (1245) 285
Adachi, T., see Aoki, N. (1245) 385
Adler, G., see Weidenbach, H. (1245) 181
Akaishi, T., Yokosawa, H. and Sawada, H.
Regulatory subunit complex dissociated from 26S proteasome: isolation and characterization (1245) 331
Akiyama, K., see Sarker, A.H. (1245) 299
Amemiya, Y., see Wilk, K.E. (1245) 392
Amidon, G.L., see Su, S.-F. (1245) 62
Aoki, N., see Ishii, T. (1245) 285
Aoki, N., Kishi, M., Taniguchi, Y., Adachi, T., Nakamura, R. and Matsuda, T.
Molecular cloning of glycoprotein antigens MGP57/53 recognized by monoclonal antibodies raised against bovine milk fat globule membrane (1245) 385
Arai, K., Mimuro, J., Madoiwa, S., Matsuda, M., Sako, T. and Sakata, Y.
Effect of staphylokinase concentration on plasminogen activation (1245) 69
Ariyoshi, N., see Mita, K. (1245) 430
Aruna, R.V., see Singh, A.K. (1245) 167
Asami, K. and Yonezawa, T.
Dielectric analysis of yeast cell growth (1245) 99
Asami, K. and Yonezawa, T.
Dielectric behavior of non-spherical cells in culture (1245) 317
Augusteyn, R.C., see Jaworowski, A. (1245) 121
Aumercier, M., see Moutiez, M. (1245) 161

Bachinski, N., see Lorenz, B. (1245) 17
Batel, R., see Lorenz, B. (1245) 17
Beckh, K., see Weidenbach, H. (1245) 181
Belford, D.A., see Sunic, D. (1245) 43
Benboubetra, M., see Brown, A.-M. (1245) 248
Bernhardt, R., see Lehnerer, M. (1245) 106
Berton, J., see Deperthes, D. (1245) 311
Bomford, A., see Rabie, A. (1245) 414
Bonini, B.M., Neves, M.J., Jorge, J.A. and Terenzi, H.F.
Effects of temperature shifts on the metabolism of trehalose in *Neurospora crassa* wild type and a trehalase-deficient (*tre*) mutant. Evidence against the participation of periplasmic trehalase in the catabolism of intracellular trehalose (1245) 339
Borkow, G., Gutierrez, J.M. and Ovadia, M.
Isolation, characterization and mode of neutralization of a potent antihemorrhagic factor from the serum of the snake *Bothrops asper* (1245) 232
Breuil, C., see Abraham, L.D. (1245) 76
Brown, A.-M., Benboubetra, M., Ellison, M., Powell, D., Reckless, J.D. and Harrison, R.
Molecular activation–deactivation of xanthine oxidase in human milk (1245) 248
Brunet, C., see Deperthes, D. (1245) 311
Carrithers, S.L., see Urbanski, R. (1245) 29
Catania, V.A., see Sánchez-Pozzi, E.J. (1245) 293
Chambers, S.T., see Randall, K. (1245) 116
Chapdelaine, P., see Deperthes, D. (1245) 311
Chen, C., see Cheng, J.-W. (1245) 227
Chen, S.-H., see Cheng, J.-W. (1245) 227
Cheng, J.-W., Chen, C., Huang, T.-H., Chou, S.-H. and Chen, S.-H.
Conformation of the propeptide domain of factor IX (1245) 227
Chou, S.-H., see Cheng, J.-W. (1245) 227
Claeyssens, M., see Macarrón, R. (1245) 187
Croute, F., see Gaubin, Y. (1245) 173
Cunninghame-Graham, D., see Rabie, A. (1245) 414

Dacheux, F., see Okamura, N. (1245) 221
Dacheux, J.-L., see Okamura, N. (1245) 221
De Martino, L., see Palumbo, A. (1245) 255
Deperthes, D., Chapdelaine, P., Tremblay, R.R., Brunet, C., Berton, J., Hébert, J., Lazure, C. and Dubé, J.Y.
Isolation of prostatic kallikrein hK2, also known as hGK-1, in human seminal plasma (1245) 311
D'Ischia, M., see Palumbo, A. (1245) 255
Donohue Jr., T.M., see Kharbanda, K.K. (1245) 421
Dubé, J.Y., see Deperthes, D. (1245) 311

Eastwood, I.M., see Zhou, X.-F. (1245) 85
Ellison, M., see Brown, A.-M. (1245) 248
Essers, J., see Müller, W.H. (1245) 215

Fang, Z.P., see Jaworowski, A. (1245) 121
Farkas, J. and Menzel, E.J.
Proteins lose their nitric oxide stabilizing function after advanced glycosylation (1245) 305
Fujimoto, K., see Lertsiri, S. (1245) 278
Furuichi, M., see Yamada, S. (1245) 239

Gaubin, Y., Pianezzi, B., Soleilhavoup, J.-P. and Croute, F.
Modulation by hypergravity of extracellular matrix macromolecules in in vitro human dermal fibroblasts (1245) 173
Goto, Y., see Ohba, Y. (1245) 1
Günthör, M., see Weidenbach, H. (1245) 181
Gutierrez, J.M., see Borkow, G. (1245) 232

Harrison, R., see Brown, A.-M. (1245) 248
Hashimoto, Y., see Suzuki, S. (1245) 9
Hattori, A., Wakamatsu, J.-i., Ishii, T., Kuwahara, K. and Tatsumi, R.
A novel 550-kDa protein in skeletal muscle of chick embryo: purification and localization (1245) 191
Hattori, A., Wakamatsu, J.-i., Ishii, T., Kuwahara, K. and Tatsumi, R.
Characterization of a novel 550-kDa protein in skeletal muscle of chick embryo (1245) 201
Hébert, J., see Deperthes, D. (1245) 311
Henrissat, B., see Macarrón, R. (1245) 187
Higaki, I., see Terakura, M. (1245) 207
Hilton, M., Spenser, D.C., Ross, P., Ramsey, A. and McArdle, H.J.
Characterisation of the copper uptake mechanism and isolation of the ceruloplasmin receptor/copper transporter in human placental vesicles (1245) 153

Hisa, T., see Ohba, Y. (1245) 1
Hlavica, P., see Lehnerer, M. (1245) 106
Hobbs, M. and Reeves, P.R.
Genetic organisation and evolution of *Yersinia pseudotuberculosis* 3,6-dideoxyhexose biosynthetic genes (1245) 273
Hogg, S.D., see Rose, R.K. (1245) 94
Horwitz, J., see Rao, P.V. (1245) 439
Huang, Q.-l., see Rao, P.V. (1245) 439
Huang, T.-H., see Cheng, J.-W. (1245) 227
Hujanen, E.S., Seppä, S.T. and Virtanen, K.
Polymorphonuclear leukocyte chemotaxis induced by zinc, copper and nickel in vitro (1245) 145
Humbel, B.M., see Müller, W.H. (1245) 215

Iguchi, T., see Kudo, Y. (1245) 402
Inoue, Y., Tran, L.-T., Kamakura, M., Izawa, S., Miki, T., Tsujimoto, Y. and Kimura, A.
Oxidative stress response in yeast: glutathione peroxidase of *Hansenula mrakii* is bound to the membrane of both mitochondria and cytoplasm (1245) 325
Ishii, T., see Hattori, A. (1245) 191
Ishii, T., see Hattori, A. (1245) 201
Ishii, T., Aoki, N., Noda, A., Adachi, T., Nakamura, R. and Matsuda, T.
Carboxy-terminal cytoplasmic domain of mouse butyrophilin specifically associates with a 150-kDa protein of mammary epithelial cells and milk fat globule membrane (1245) 285
Itatsu, S., see Kudo, Y. (1245) 402
Iwashita, M., see Kudo, Y. (1245) 402
Izawa, S., see Inoue, Y. (1245) 325

James, V.J., see Wilk, K.E. (1245) 392
Jaworowski, A., Fang, Z.P., Khong, T.F. and Augusteyn, R.C.
Protein synthesis and secretion by cultured retinal pigment epithelia (1245) 121
Johnson, F., see Shoshani, I. (1245) 37
Johnson, R.A., see Shoshani, I. (1245) 37
Jorge, J.A., see Bonini, B.M. (1245) 339
Joshi, P., see Mohan, J. (1245) 407

Kaca, W. and Roth, R.
Activation of complement by human hemoglobin and by mixtures of hemoglobin and bacterial endotoxin (1245) 49
Kamakura, M., see Inoue, Y. (1245) 325
Katagiri, C., see Mita, K. (1245) 430
Kharbanda, K.K., McVicker, D.L., Zetterman, R.K. and Donohue Jr., T.M.
Ethanol consumption reduces the proteolytic capacity and protease activities of hepatic lysosomes (1245) 421
Khong, T.F., see Jaworowski, A. (1245) 121
Kimura, A., see Inoue, Y. (1245) 325
Kimura, Y., see Ohba, Y. (1245) 1
Kinoshita, H., see Terakura, M. (1245) 207
Kishi, M., see Aoki, N. (1245) 385
Kodama, T., Mizobuchi, M., Takeda, R., Torikai, H., Shinomiya, H. and Ohashi, Y.
Hampered expression of isoaspartyl protein carboxyl methyltransferase gene in the human cataractous lens (1245) 269
Koyanagi, R., see Mizushima, T. (1245) 397
Kudo, Y., Itatsu, S., Iwashita, M., Iguchi, T. and Takeda, Y.
Effects of estrogen and parathyroid hormone on osteoblastic activity via regulating the binding activity of insulin-like growth factor binding protein-4 in SaOS-2 cells: implications for the pathogenesis of postmenopausal osteoporosis (1245) 402
Kutsukake, K., see Mizushima, T. (1245) 397
Kuwahara, K., see Hattori, A. (1245) 191
Kuwahara, K., see Hattori, A. (1245) 201

Lazure, C., see Deperthes, D. (1245) 311
Lee, W.-P.
P-glycoprotein is hyperphosphorylated in multidrug resistant HOB1 lymphoma cells treated with overdose of vincristine (1245) 57
Lehnerer, M., Schulze, J., Petzold, A., Bernhardt, R. and Hlavica, P.
Rabbit liver cytochrome *P*-450 2B5: high-level expression of the full-length protein in *Escherichia coli*, purification, and catalytic activity (1245) 106
Lerch, M.M., see Weidenbach, H. (1245) 181
Lertsiri, S., Fujimoto, K. and Miyazawa, T.
Pyrone hydroperoxide formation during the Maillard reaction and its implication in biological systems (1245) 278
Lever, M., see Randall, K. (1245) 116
Lorenz, B., Batel, R., Bachinski, N., Müller, W.E.G. and Schröder, H.C.
Purification and characterization of two exopolyphosphatases from the marine sponge *Tethya lyncurium* (1245) 17

Macarrón, R., Henrissat, B. and Claeyssens, M.
Family A cellulases: two essential tryptophan residues in endoglucanase III from *Trichoderma reesei* (1245) 187
Madoiwa, S., see Arai, K. (1245) 69
Markx, G.H., see Zhou, X.-F. (1245) 85
Masuko, T., see Suzuki, S. (1245) 9
Matsuda, M., see Arai, K. (1245) 69
Matsuda, T., see Ishii, T. (1245) 285
Matsuda, T., see Aoki, N. (1245) 385
Matsui-Yuasa, I., see Terakura, M. (1245) 207
McArdle, H.J., see Hilton, M. (1245) 153
McNeil, J.D., see Sunic, D. (1245) 43
McVicker, D.L., see Kharbanda, K.K. (1245) 421
Menzel, E.J., see Farkas, J. (1245) 305
Miki, T., see Inoue, Y. (1245) 325
Miki, T., see Mizushima, T. (1245) 397
Mimuro, J., see Arai, K. (1245) 69
Misuraca, G., see Palumbo, A. (1245) 255
Mita, K., Ariyoshi, N., Abé, S.-I., Takamune, K. and Katagiri, C.
Structure of genes for sperm-specific nuclear basic protein (SP4) in *Xenopus laevis* (1245) 430
Miyazawa, T., see Lertsiri, S. (1245) 278
Mizobuchi, M., see Kodama, T. (1245) 269
Mizushima, T., Koyanagi, R., Suzuki, E., Tomura, A., Kutsukake, K., Miki, T. and Sekimizu, K.
Control by phosphatidylglycerol of expression of the *flhD* gene in *Escherichia coli* (1245) 397
Mohan, J., Saini, M. and Joshi, P.
Isolation of a spermatozoa motility inhibiting factor from chicken seminal plasma with antibacterial property (1245) 407
Mottino, A.D., see Sánchez-Pozzi, E.J. (1245) 293
Moutiez, M., Aumercier, M., Parmentier, B., Tartar, A. and Sergheraert, C.
Compared recognition of di- and trisulfide substrates by glutathione and trypanothione reductases (1245) 161
Müller, W.E.G., see Lorenz, B. (1245) 17
Müller, W.H., Essers, J., Humbel, B.M. and Verkleij, A.J.
Enrichment of *Penicillium chrysogenum* microbodies by isopycnic centrifugation in nycodenz as visualized with immuno-electron microscopy (1245) 215

Nagao, Y.
Expression of c-mos protein in cultured rat spermatogenic cells and evidence that rat testicular 43 kDa c-mos protein has an elongated amino acid sequence at the N-terminus (1245) 130
Nakagawa, Y., see Sarker, A.H. (1245) 299
Nakamura, R., see Ishii, T. (1245) 285
Nakamura, R., see Aoki, N. (1245) 385
Neves, M.J., see Bonini, B.M. (1245) 339
Noda, A., see Ishii, T. (1245) 285

Ogino, T. and Okada, S.
Oxidative damage of bovine serum albumin and other enzyme proteins by iron-chelate complexes (1245) 359
Ohashi, Y., see Kodama, T. (1245) 269
Ohba, Y., Goto, Y., Kimura, Y., Suzuki, F., Hisa, T., Takahashi, K. and Takigawa, M.
Purification of an angiogenesis inhibitor from culture medium conditioned by a human chondrosarcoma-derived chondrocytic cell line, HCS-2/8 (1245) 1
Okada, S., see Ogino, T. (1245) 359
Okamura, N., Tamba, M., Uchiyama, Y., Sugita, Y., Dacheux, F., Syntin, P. and Dacheux, J.-L.
Direct evidence for the elevated synthesis and secretion of procathepsin L in the distal caput epididymis of boar (1245) 221
Otani, S., see Terakura, M. (1245) 207
Ovadia, M., see Borkow, G. (1245) 232

Palumbo, A., D'Ischia, M., Misuraca, G., De Martino, L. and Prota, G.
Iron- and peroxide-dependent conjugation of dopamine with cysteine: oxidative routes to the novel brain metabolite 5-*S*-cysteinyldopamine (1245) 255
Park, S.H., Xing, R. and Whitman, W.B.
Nonenzymatic acetolactate oxidation to diacetyl by flavin, nicotinamide and quinone coenzymes (1245) 366
Parmentier, B., see Moutiez, M. (1245) 161
Peddie, B.A., see Randall, K. (1245) 116
Perilli, E., see Sessa, A. (1245) 371
Perin, A., see Sessa, A. (1245) 371
Peters, T.J., see Rabie, A. (1245) 414
Pethig, R., see Zhou, X.-F. (1245) 85
Petzold, A., see Lehnerer, M. (1245) 106
Pianezzi, B., see Gaubin, Y. (1245) 173
Powell, D., see Brown, A.-M. (1245) 248
Prota, G., see Palumbo, A. (1245) 255

Qui, H., see Shoshani, I. (1245) 37

Rabie, A., Simpson, R.J., Bomford, A., Cunninghame-Graham, D. and Peters, T.J.
Relationship between duodenal cytosolic aconitase activity and iron status in the mouse (1245) 414
Ramsey, A., see Hilton, M. (1245) 153
Randall, K., Lever, M., Peddie, B.A. and Chambers, S.T.
Competitive accumulation of betaines by *Escherichia coli* K-12 and derivative strains lacking betaine porters (1245) 116
Rao, P.V., Huang, Q.-l., Horwitz, J. and Zigler Jr., J.S.
Evidence that α-crystallin prevents non-specific protein aggregation in the intact eye lens (1245) 439
Reckless, J.D., see Brown, A.-M. (1245) 248
Reeves, P.R., see Hobbs, M. (1245) 273
Rodríguez-Garay, E.A., see Sánchez-Pozzi, E.J. (1245) 293
Rose, R.K. and Hogg, S.D.
Competitive binding of calcium and magnesium to streptococcal lipoteichoic acid (1245) 94
Ross, P., see Hilton, M. (1245) 153
Roth, R., see Kaca, W. (1245) 49

Saini, M., see Mohan, J. (1245) 407
Sakata, Y., see Arai, K. (1245) 69
Sako, T., see Arai, K. (1245) 69
Sánchez-Pozzi, E.J., Catania, V.A., Rodríguez-Garay, E.A. and Mottino, A.D.
Enhancement of intestinal bilirubin UDP-glucuronosyltransferase activity by modification of microsomal lipid composition (1245) 293
Sarker, A.H., Watanabe, S., Akiyama, K., Nakagawa, Y., Wakabayashi, H., Tan, Y. and Seki, S.
Purification and characterization of an AP endonuclease/DNA 3′repair diesterase from mouse ascites sarcoma cells (1245) 299
Sawada, H., see Akaishi, T. (1245) 331
Schröder, H.C., see Lorenz, B. (1245) 17
Schulze, J., see Lehnerer, M. (1245) 106
Seki, S., see Sarker, A.H. (1245) 299
Sekimizu, K., see Mizushima, T. (1245) 397
Seppä, S.T., see Hujanen, E.S. (1245) 145
Sergheraert, C., see Moutiez, M. (1245) 161
Sessa, A., Tunici, P., Perilli, E. and Perin, A.
Transglutaminase activity in rat liver after acute ethanol administration (1245) 371
Shen, Y.-J., see Venkatasubramanian, P.N. (1245) 262
Shinomiya, H., see Kodama, T. (1245) 269
Shoshani, I., Qui, H., Johnson, F., Taussig, R. and Johnson, R.A.
Azido-iodo-phenyl-analogs of 2′,5′-dideoxy-adenosine as photoaffinity ligands for adenylyl cyclase (1245) 37
Simpson, R.J., see Rabie, A. (1245) 414
Singh, A.K. and Aruna, R.V.
Retinal Schiff base chromophore in the surfactant solubilised water pools in CCl_4 (1245) 167
Soleilhavoup, J.-P., see Gaubin, Y. (1245) 173
Spenser, D.C., see Hilton, M. (1245) 153
Su, S.-F. and Amidon, G.L.
Investigation into the intestinal metabolism of [D-Ala^1] Peptide T amide: implication for oral drug delivery (1245) 62
Sugita, Y., see Okamura, N. (1245) 221
Sunic, D., Belford, D.A., McNeil, J.D. and Wiebkin, O.W.
Insulin-like growth factor binding proteins (IGF-BPs) in bovine articular and ovine growth-plate chondrocyte cultures: their regulation by IGFs and modulation of proteoglycan synthesis (1245) 43
Suzuki, E., see Mizushima, T. (1245) 397
Suzuki, F., see Ohba, Y. (1245) 1
Suzuki, S., Watanabe, S., Masuko, T. and Hashimoto, Y.
Preparation of long-circulating immunoliposomes containing adriamycin by a novel method to coat immunoliposomes with poly(ethylene glycol) (1245) 9
Syntin, P., see Okamura, N. (1245) 221

Takahashi, K., see Ohba, Y. (1245) 1
Takamune, K., see Mita, K. (1245) 430
Takeda, R., see Kodama, T. (1245) 269
Takeda, Y., see Kudo, Y. (1245) 402
Takigawa, M., see Ohba, Y. (1245) 1
Tamba, M., see Okamura, N. (1245) 221
Tan, Y., see Sarker, A.H. (1245) 299
Tanaka, Y., see Yamada, S. (1245) 239
Taniguchi, Y., see Aoki, N. (1245) 385
Tartar, A., see Moutiez, M. (1245) 161
Tatsumi, R., see Hattori, A. (1245) 191
Tatsumi, R., see Hattori, A. (1245) 201
Taussig, R., see Shoshani, I. (1245) 37
Terakura, M., Higaki, I., Matsui-Yuasa, I., Kinoshita, H. and Otani, S.
Polyamine metabolism in the rat liver after orthotopic liver transplantation (1245) 207
Terenzi, H.F., see Bonini, B.M. (1245) 339
Thompson, S.N.
Gluconeogenesis and effect of nutritional status on TCA cycle activity in the insect *Manduca sexta* (1245) 376
Tomura, A., see Mizushima, T. (1245) 397
Torikai, H., see Kodama, T. (1245) 269
Tran, L.-T., see Inoue, Y. (1245) 325
Tremblay, R.R., see Deperthes, D. (1245) 311
Tsujimoto, Y., see Inoue, Y. (1245) 325
Tunici, P., see Sessa, A. (1245) 371

Uchiyama, Y., see Okamura, N. (1245) 221
Urbanski, R., Carrithers, S.L. and Waldman, S.A.
Internalization of *E. coli* ST mediated by guanylyl cyclase C in T84 human colon carcinoma cells (1245) 29

Van den Berg, M., see Van Roermund, C.W.T. (1245) 348
Van Roermund, C.W.T., Van den Berg, M. and Wanders, R.J.A.
Localization of peroxisomal 3-oxoacyl-CoA thiolase in particles of varied density in rat liver: implications for peroxisome biogenesis (1245) 348
Venkatasubramanian, P.N., Shen, Y.-J. and Wyrwicz, A.M.
In vivo ^{19}F-NMR spectroscopic study of halothane uptake in rabbit brain (1245) 262
Verkleij, A.J., see Müller, W.H. (1245) 215
Virtanen, K., see Hujanen, E.S. (1245) 145

Wakabayashi, H., see Sarker, A.H. (1245) 299
Wakamatsu, J.-i., see Hattori, A. (1245) 191
Wakamatsu, J.-i., see Hattori, A. (1245) 201
Waldman, S.A., see Urbanski, R. (1245) 29
Wanders, R.J.A., see Van Roermund, C.W.T. (1245) 348
Watanabe, S., see Suzuki, S. (1245) 9
Watanabe, S., see Sarker, A.H. (1245) 299
Weidenbach, H., Beckh, K., Günthör, M., Lerch, M.M. and Adler, G.
The role of nitric oxide in hemodynamic and metabolic alterations induced by prostaglandin $F_{2\alpha}$ in the perfused rat liver (1245) 181
Whitman, W.B., see Park, S.H. (1245) 366
Wiebkin, O.W., see Sunic, D. (1245) 43
Wilk, K.E., James, V.J. and Amemiya, Y.
The intermediate filament structure of human hair (1245) 392
Wyrwicz, A.M., see Venkatasubramanian, P.N. (1245) 262

Xing, R., see Park, S.H. (1245) 366

Yamada, S., Tanaka, Y. and Furuichi, M.
Partial purification and characterization of histidine acetyltransferase in brain of Nile tilapia (*Oreochromis niloticus*) (1245) 239
Yokosawa, H., see Akaishi, T. (1245) 331
Yonezawa, T., see Asami, K. (1245) 99
Yonezawa, T., see Asami, K. (1245) 317

Zetterman, R.K., see Kharbanda, K.K. (1245) 421
Zhou, X.-F., Markx, G.H., Pethig, R. and Eastwood, I.M.
Differentiation of viable and non-viable bacterial biofilms using electrorotation (1245) 85
Zigler Jr., J.S., see Rao, P.V. (1245) 439